

REBECCA L. MEAD
CURRICULUM VITAE

Forensic Chemist II, Alcohol Program
Vermont Forensic Laboratory
Department of Public Safety
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EDUCATION

Degree	Master of Science
Major	Forensic Science
Concentrations	Forensic Chemistry, Crime Scene Investigation, and Computer Forensics
College	Marshall University, Huntington, WV
Year	2012
Coursework	Includes Biochemistry, Forensic Analytical Chemistry, Forensic Toxicology, Forensic Statistics, and Legal Issues in Forensic Science

Degree	Bachelor of Science, <i>magna cum laude</i>
Major	Forensic Science
Minor	Mathematics
College	King College, Bristol, TN
Year	2010
Coursework	Includes Forensic Chemistry, Biochemistry, and Mammalian Toxicology

PROFESSIONAL WORK EXPERIENCE

Forensic Chemist II October 2012 to present
Vermont Forensic Laboratory, Waterbury, VT
Upon completion of training:

- Perform qualitative and quantitative analysis of alcohol in evidentiary blood samples.
- Perform calibration, certification, installation, maintenance and repair of evidential DataMaster DMT breath alcohol testing instruments.
- Review documentation and reports generated by DataMaster DMT breath alcohol testing instruments.
- Provide expert witness testimony regarding alcohol physiology, pharmacology and testing, including policies and procedures.

Graduate Assistant August 2010 to May 2011; August 2011 to May 2012
Marshall University College of Science Chemistry Department, Kolling Lab, Huntington, WV

- Performed qualitative analysis of lipids from the algal species *Chlorella vulgaris*.
- Implemented methods for lipid extraction, derivatization, and identification.

Intern

May 2011 to August 2011

Marshall University Forensic Chemistry Laboratory, Huntington, WV

- Developed a field method for the identification of *Salvia divinorum* using ATR-FTIR.

PROFESSIONAL TRAINING

Robert F. Borkenstein Course on Alcohol and Highway Safety: Testing, Research and Litigation; hosted by Indiana University Center for Studies of Law and Action, Bloomington, IN, December 9-14, 2012.

Best Practices for Volumetric Measurement, online, November 21, 2012.

SOP Writing for ISO 17025 Accreditation, online, November 20, 2012.

Expert Testimony Training for the Prosecutor and Scientist I & II, online, November 16, 2012.

Introduction to Uncertainty in Forensic Chemistry and Toxicology 1, 2 & 3, online, November 9 & 16, 2012.

NSC Defensive Driving, online, November 9, 2012.

Fundamentals of Non-Mass Selective Detectors, online, November 8, 2012.

How to be a Good Expert Witness, online, November 8, 2012.

Answering the NAS: The Ethics of Leadership and the Leadership of Ethics, online, November 8, 2012.

To Hell and Back: The Ethics of Stewardship and the Stewardship of Ethics, online, November 7, 2012.

DataMaster DMT Supervisor & Record Administrator Training; Vermont Forensic Laboratory, Waterbury, VT, November 5, 2012.

PROFESSIONAL DEVELOPMENT

American Academy of Forensic Sciences Annual Scientific Meeting, Atlanta, Georgia, February 2012

American Academy of Forensic Sciences Annual Scientific Meeting, Chicago, Illinois, February 2011.

Mobile Phone Seizure Certification; taught by Pam King, BK Forensics; hosted by Marshall University Forensic Science Center, Huntington, West Virginia, 2010.

Forensic Science Symposium; sponsored by The Pennsylvania State University Forensic Science Club; hosted by The Pennsylvania State University Forensic Science Club, University Park, Pennsylvania, 2010.

Forensic Science Symposium; sponsored by The Pennsylvania State University Forensic Science Club; hosted by The Pennsylvania State University Forensic Science Club, University Park, Pennsylvania, 2009.

PROFESSIONAL AFFILIATION

American Academy of Forensic Sciences, student affiliate

February 2012-present